

Claims

1. Polycarbonate moulding compositions containing hydrocarbons with 15 to 600 carbon atoms, characterised in that

these hydrocarbons are contained in quantities of 0.005 to 5.0 wt.% relative to the weight of the entire moulding composition,

and these hydrocarbons consist of methyl-branched alkane chains, whereby they display a proportion by weight of branches of between 5 wt.% and 30 wt.% relative to the carbons in the chain.

2. Polycarbonate moulding compositions according to claim 1, characterised in that they contain 0.01 to 2.0 wt.%, preferably 0.02 to 1.0 wt.%, of hydrocarbons.

3. Polycarbonate moulding compositions according to claim 1, characterised in that there are between 10 wt.% and 30 wt.% of branches.

4. Polycarbonate moulding compositions according to claim 1, characterised in that the hydrocarbons consist of 15 to 100 carbon atoms, particularly of 15 to 40 carbon atoms, and most particularly contain isoprene units, preferably hydrogenated isoprene units, particularly preferably over 90% hydrogenated isoprene units, most particularly preferably over 95% hydrogenated isoprene units.

5. Polycarbonate moulding compositions according to claim 4, characterised in that in addition to the isoprene units they also contain 2,3-dimethyl butadiene, butadiene, propene and/or isobutene, in the range from 0-50 mol% (relative to the isoprene units).

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6. Polycarbonate moulding compositions according to claim 1, characterised in that the hydrocarbons consist of 15, 20, 25, 30, 35 or 40 C atoms or are mixtures of the above hydrocarbons, most particularly preferably squalane (30 C atoms).

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7. Polycarbonate moulding compositions according to one of the above claims, characterised in that they optionally also contain other additives conventionally used in polycarbonate, such as e.g. heat stabilisers, UV/IR stabilisers, other release agents, flame retardants, antidripping agents, lubricants, flow promoters, fillers, colorants such as pigments or colour concentrates, glass fibres, fillers and blend components such as ABS, SAN, EPDM or polyesters based on terephthalic acid and diols.

8. Moulding compositions according to claim 7, characterised in that the polycarbonates used are those based on 4,4'-dihydroxydiphenyl, 1,1-bis(4-hydroxyphenyl) phenyl ethane, 2,2-bis(4-hydroxyphenyl) propane, 2,2-bis(3,5-dimethyl-4-hydroxyphenyl) propane, 1,1-bis(4-hydroxyphenyl)-m/p-diisopropyl benzene, 1,1-bis(4-hydroxyphenyl) cyclohexane and 1,1-bis(4-hydroxyphenyl)-3,3,5-trimethyl cyclohexane.

9. Moulding compositions according to claim 7 and/or 8, characterised in that the polycarbonates used are those based on 2,2-bis(4-hydroxyphenyl) propane and/or 1,1-bis(4-hydroxyphenyl)-3,3,5-trimethyl cyclohexane and/or 1,1-bis(4-hydroxyphenyl)-m/p-diisopropyl benzene.

10. Mouldings produced from the moulding compositions according to one or more of claims 1 to 9, particularly optical data stores such as CDs, DVDs and developments thereof, solid sheets, twin-wall sheets, automotive glazing, headlamp diffusers, lamp covers, most particularly preferably CDs, DVDs and developments thereof.

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